



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

VP BROADCASTING, LLC
1125 COLORADO STREET
ALLENTOWN PA 18103

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: November 14, 2016

Facility Id: 36987

Call Sign: WHOL

This license expires 3:00 a.m.
local time, August 01, 2022.

License File Number: BL-20161007ABV

This license covers permit no.: BP-20150227ABO

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

Hours of Operation: Daytime with Secondary nighttime

Average hours of sunrise and sunset:
Local Standard Time (Non-Advanced)

Jan.	7:30 AM	5:00 PM	Jul.	4:45 AM	7:30 PM
Feb.	7:00 AM	5:30 PM	Aug.	5:15 AM	7:00 PM
Mar.	6:15 AM	6:15 PM	Sep.	5:45 AM	6:15 PM
Apr.	5:30 AM	6:45 PM	Oct.	6:15 AM	5:30 PM
May	4:45 AM	7:15 PM	Nov.	6:45 AM	4:45 PM
Jun.	4:30 AM	7:30 PM	Dec.	7:15 AM	4:30 PM

Callsign: WHOL

License No.: BL-20161007ABV

Name of Licensee: VP BROADCASTING, LLC

Station Location: ALLENTOWN, PA

Frequency (kHz): 1600

Station Class: D

Antenna Coordinates:

Day

Latitude: N 40 Deg 35 Min 33 Sec

Longitude: W 75 Deg 28 Min 42 Sec

Night

Latitude: N 40 Deg 35 Min 33 Sec

Longitude: W 75 Deg 28 Min 42 Sec

Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Nominal Power (kW): Day: 1.0 Night: 0.056

Antenna Input Power (kW): Day: 1.08 Night: 0.06

Antenna Mode: Day: DA Night: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 4.65 Night: 1.1

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1016360	
2	1016361	

Night:

Tower No.	ASRN	Overall Height (m)
1	1016360	
2	1016361	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 339.6 Night: 80.25

Standard RMS (mV/m/km): Day: 357

Augmented RMS (mV/m/km): Night: 80.25

Q Factor: Day: Night: 3.73

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	277.000	0.0000	0.000	0	117.0
2	1.2000	83.000	60.0000	170.000	0	117.0

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	277.000	0.0000	0.000	0	117.0
2	1.2000	83.000	60.0000	170.000	0	117.0

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	60.0	10.0	71.80
2	76.5	33.0	43.20
3	93.0	27.0	20.50
4	106.5	27.0	37.20
5	130.0	20.0	70.00
6	170.0	10.0	93.40
7	180.0	20.0	95.70
8	233.0	26.0	37.70
9	246.0	14.0	24.20
10	253.0	14.0	29.60

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	172	0.78

Day Directional Operation:

Tw. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
2	0	1

Night Directional Operation:

Tw. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	172	0.78
2	0	1

Antenna Monitor: POTOMAC INSTRUMENTS AM-19(204)

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
93.5	5.45	5.31
246.5	5.34	6.56

Special operating conditions or restrictions:

- 1 Ground system consists of 120 equally spaced, buried, copper radials, each 61 meters in length except where terminated by property boundaries or where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers, plus a copper ground screen 7.3 meters square, about the base of each tower.

2 DESCRIPTION OF AND FIELD INTENSITY MEASURED AT MONITORING POINTS:

Direction of 93° True North: The point is located in front of 1602 Hausman Avenue, This location is point number 14 of the proof. The distance from the transmitter is 5.45 km. The field intensity measured at this point should not exceed 5.31 mV/m.

Direction of 246.5° True North: The point is located near the big rock on the right side of the cul-de-sac of Hillview Road, just south of Hamilton Street, near Dorney Park. This location is point number 14 of the proof. The distance from the transmitter is 5.34 km. The field intensity measured at this point should not exceed 6.56 mV/m.

- 3 Licensee shall be responsible for satisfying all reasonable complaints of blanketing interference within the 1 V/m contour as required by Section 73.88 of the Commission's rules.

*** END OF AUTHORIZATION ***